

03040205-100

(Black River)

General Description

Watershed 03040205-100 is located in Williamsburg and Clarendon Counties and consists primarily of the **Black River** and its tributaries from the Pocotaligo River to Pudding Swamp. The watershed occupies 21,759 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Lynchburg-Hobcaw-Forest series. The erodibility of the soil (K) averages 0.10; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 41.5% forested land, 22.5% agricultural land, 23.0% forested wetland (swamp), 12.8% scrub/shrub land, 0.1% urban land, and 0.1% nonforested wetland (marsh).

This section of the Black River accepts drainage from its upper reaches together with Broad Branch, Mill Branch (Conyers Bay), and another Mill Branch. There are a total of 45.2 stream miles in this watershed, and a few ponds totaling 49.0 acres. The Black River is classified FW* (Dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.0) and the remaining streams are classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-227	P	FW*	BLACK RIVER AT S-45-35 8.6 MILES NW OF KINGSTREE

Black River (PD-227) - Aquatic life uses are fully supported. There is a significant increasing trend in pH. Significant decreasing trends in five-day biochemical oxygen demand and total nitrogen concentration suggest improving conditions for these parameters. P,P'DDT (a metabolite of DDT) and the pesticide chlordane were detected in the 1997 sediment sample. Although the use of DDT was banned in 1973, it is very persistent in the environment. Recreational uses are fully supported and a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

A fish consumption advisory has been issued by the Department for mercury and includes the Black River within this watershed (see advisory p. 73).

Growth Potential

There is a low potential for growth in this watershed. There is no existing water or sewer infrastructure in the watershed.